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PUBLIC INFORMATION STATEMENT...CORRECTED
NATIONAL WEATHER SERVICE MILWAUKEE/SULLIVAN WI
245 PM CDT FRI JUL 29 2005

...PUBLIC INFORMATION STATEMENT...

...DROUGHT STATEMENT FOR SOUTHERN WISCONSIN...

...SHORT TERM DROUGHT CONDITIONS IMPROVE ACROSS SOUTHERN WISCONSIN IN
RESPONSE TO RECENT RAINS...

...LONG TERM DROUGHT CONDITIONS CONTINUE TO ADVERSELY AFFECT SOUTH
CENTRAL AND SOUTHEASTERN WISCONSIN...

...THIS STATEMENT COVERS THE FOLLOWING AREAS AND COUNTIES IN
WISCONSIN...

CENTRAL...DIVISION 5...MARQUETTE...GREEN LAKE.

EAST CENTRAL...DIVISION 6...FOND DU LAC...SHEBOYGAN.

SOUTHWEST...DIVISION 7...SAUK...IOWA...LAFAYETTE.

SOUTH CENTRAL...DIVISION
8...COLUMBIA...DODGE...DANE...JEFFERSON...GREEN...ROCK.

SOUTHEAST...DIVISION 9...WASHINGTON...OZAUKEE...WAUKESHA...
MILWAUKEE...WALWORTH...RACINE...KENOSHA.

DIVISION REFERS TO AREAS USED IN DROUGHT PREDICTION. A MAP MAY BE FOUND
AT...

ALL LOWER CASE...[HTTP://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/
ANALYSIS_MONITORING/REGIONAL_MONITORING/CLIM_DIVS/WISCONSIN.GIF](http://www.cpc.ncep.noaa.gov/products/analysis_monitoring/regional_monitoring/clim_divs/wisconsin.gif)

.SYNOPSIS...A SERIES OF LOW PRESSURE SYSTEMS AND ASSOCIATED COLD FRONTS
PUSHED THROUGH THE UPPER MIDWEST BETWEEN JULY 15 AND JULY 28. THESE
DISTURBANCES PROVIDED MUCH NEEDED RAIN FOR MUCH OF WISCONSIN. DURING
THIS TIME...SOUTH CENTRAL AND SOUTHEAST WISCONSIN SAW BETWEEN 1 AND 5
TOTAL INCHES OF PRECIPITATION...HELPING TO ALLEVIATE SHORT-TERM
DROUGHT CONDITIONS. UNFORTUNATELY...LONG TERM DEFICITS WERE NOT
SUFFICIENTLY QUENCHED...AND DROUGHT CONDITIONS WILL PERSIST.

PRECIPITATION AMOUNTS JULY AT VARIOUS LOCATIONS ACROSS SOUTHERN
WISCONSIN...

CITY	COUNTY	JUL 15-28	SINCE JUL 1	DEFICIT/SURPLUS
WISCONSIN DELLS	COLUMBIA	4.20	4.20	0.13
BRODHEAD	GREEN	3.31	4.99	1.24
SULLIVAN	JEFFERSON	3.54	4.92	1.35
MADISON	DANE	3.47	3.93	0.39
BLACK EARTH	DANE	4.86	----	----
PRINCETON	GREEN LAKE	4.54	----	----
MAYVILLE	DODGE	3.69	----	----

BLANCHARDVILLE	LAFAYETTE	2.43	3.00	-0.92
FOND DU LAC	FOND DU LAC	2.05	2.07	-1.62
BROWN DEER	MILWAUKEE	2.34	----	----
SHEBOYGAN	SHEBOYGAN	2.01	----	----
MILWAUKEE	MILWAUKEE	1.06	2.60	-0.62
KENOSHA	KENOSHA	1.73	1.99	-1.44
RACINE	RACINE	1.65	2.02	-1.41

.LOCAL AREAS AFFECTED...ALL 20 COUNTIES WITHIN THE NATIONAL WEATHER SERVICE AT MILWAUKEE COUNTY WARNING AREA ARE CURRENTLY AFFECTED BY A MODERATE...SEVERE...OR EXTREME DROUGHT. SPECIFICALLY...

MODERATE DROUGHT...D1 CONDITIONS WERE EVIDENT ACROSS SAUK AND IOWA COUNTIES IN SOUTHWEST WISCONSIN.

DURING MODERATE DROUGHT...THERE MAY BE SOME DAMAGE TO CROPS AND PASTURES...THE FIRE RISK IS HIGH...STREAMS...RESERVOIRS...OR WELLS MAY BE LOW...SOME WATER SHORTAGES MAY BE DEVELOPING OR IMMINENT...AND VOLUNTARY WATER USE RESTRICTIONS ARE REQUESTED.

SEVERE DROUGHT...D2 CONDITIONS WERE EVIDENT ACROSS LAFAYETTE...MARQUETTE...COLUMBIA...DANE...GREEN LAKE...FOND DU LAC... SHEBOYGAN...DODGE...JEFFERSON...GREEN...ROCK...WASHINGTON... OZAUKEE...WAUKESHA...MILWAUKEE...AND WALWORTH COUNTIES.

DURING SEVERE DROUGHT...CROP OR PASTURE LOSSES ARE LIKELY...THE FIRE RISK IS VERY HIGH...WATER SHORTAGES ARE COMMON...AND WATER RESTRICTIONS MAY BE IMPOSED.

EXTREME DROUGHT (D3) CONDITIONS WERE EVIDENT ACROSS RACINE AND KENOSHA COUNTIES IN SOUTHEAST WISCONSIN.

DURING EXTREME DROUGHT...MAJOR CROP OR PASTURE LOSSES ARE OCCURRING...THERE IS AN EXTREME FIRE DANGER...AND WIDESPREAD WATER SHORTAGES OR RESTRICTIONS ARE OCCURRING.

FOR THE LATEST DROUGHT INFORMATION GO TO...

ALL LOWER CASE...[HTTP://WWW.NDMC.UNL.EDU/DM/MONITOR.HTML](http://WWW.NDMC.UNL.EDU/DM/MONITOR.HTML)

GOVERNOR JIM DOYLE DECLARED A STATEWIDE DROUGHT EMERGENCY BEGINNING JULY 15. THE DROUGHT EMERGENCY EXTENDS FOR 30 DAYS BEYOND THE STARTING DATE.

FOR MORE INFORMATION ON THE DECLARED DROUGHT EMERGENCY...

ALL LOWER CASE...
[HTTP://WWW.DNR.STATE.WI.US/ORG/CAER/CE/NEWS/RBNEWS/2005/071505C01.HTM](http://WWW.DNR.STATE.WI.US/ORG/CAER/CE/NEWS/RBNEWS/2005/071505C01.HTM)

.CLIMATE SUMMARY...SHORT TERM PRECIPITATION DEFICITS FOR JULY HAVE ABATED SOMEWHAT WITH AVERAGE RAINFALL STILL ONE QUARTER TO THREE QUARTERS OF AN INCH BELOW NORMAL FOR THE SOUTHEAST AND EAST CENTRAL AREAS. SOUTH CENTRAL HAS RETURNED TO NEAR NORMAL RAINFALL...WITH CENTRAL AND SOUTHWEST AREAS JUST LESS THAN ONE HALF INCH ABOVE NORMAL.

THE GREATEST PRECIPITATION DEFICITS ARE EVIDENT ACROSS FOND DU LAC...SHEBOYGAN...WALWORTH...RACINE...AND KENOSHA COUNTIES.

BUT LONG TERM DEFICITS SINCE APRIL 1 CONTINUE TO BE A PROBLEM ACROSS ALL OF SOUTHERN WISCONSIN WITH RAINFALL STILL 2.5 TO 5 INCHES BELOW NORMAL...WITH THE DRIEST AREAS ACROSS SOUTH CENTRAL...SOUTHEAST AND EAST CENTRAL WISCONSIN.

SOUTHEAST AND SOUTH CENTRAL WISCONSIN REMAIN IN THE TOP 10 DRIEST PERIODS FOR APRIL 1 THROUGH JULY 28.

PRECIPITATION SUMMARIES FOR SELECTED CITIES...AMOUNT IN INCHES...

FOR ADDITIONAL CLIMATE INFORMATION FOR SOUTH CENTRAL AND SOUTHEASTERN WISCONSIN VISIT...

ALL LOWER CASE...[HTTP://WWW.CRH.NOAA.GOV/MKX/CLIMATE.PHP](http://www.crh.noaa.gov/mkx/climate.php)

.SOIL MOISTURE CONDITIONS...DUE TO RECENT RAINS...SOIL MOISTURE AMOUNTS HAVE INCREASED ACROSS SOUTHERN WISCONSIN. THE TOP 12 INCHES OF SOIL ARE NOW ABOUT ONE HALF INCH ABOVE NORMAL. WHEN LOOKING AT THE TOP 72 INCHES...PARTS OF SOUTHEAST...SOUTH CENTRAL AND EAST CENTRAL AREAS ARE STILL UP TO ONE HALF INCH BELOW NORMAL...WITH THE REST OF SOUTHERN WISCONSIN AT ONE HALF INCH ABOVE NORMAL.

FOR MORE INFORMATION ON SOIL MOISTURE CONDITIONS PLEASE VISIT...

ALL LOWER CASE...[HTTP://MRCC.SWS.UIUC.EDU/WATCH/DROUGHT/MOISTURE.HTM](http://mrcc.sws.uiuc.edu/watch/drought/moisture.htm)
OR

ALL LOWER CASE...[HTTP://WWW.CPC.NOAA.GOV/PRODUCTS/SOILMST/W.SHTML](http://www.cpc.noaa.gov/products/soilmst/w.shtml)

.RIVER AND STREAM FLOW CONDITIONS...MANY OF THE RIVERS AND STREAMS ACROSS SOUTH CENTRAL AND SOUTHEAST WISCONSIN CONTINUE TO RUN WELL BELOW NORMAL...THOUGH MANY HAVE IMPROVED TO NORMAL FLOW RATES. RECENT HEAVY RAINS IN CONJUNCTION WITH DRY SOIL ALLOWED EXCESSIVE AMOUNTS OF RAINFALL TO RUNOFF INTO RIVERS AND STREAMS...CAUSING MANY OF THESE WATERWAYS TO RAPIDLY RISE. SOME LOCATIONS...SUCH AS ALONG THE BARABOO RIVER AT BARABOO...SHOWED QUICK RISES IN RESPONSE TO THE HEAVY RAINFALL ON JULY 23 AND 25. SINCE THE PERIODS OF HEAVY RAINFALL...MOST RIVERS HAVE RETURNED TO NORMAL FLOW RATES...WHILE A FEW CONTINUE TO RUN BELOW NORMAL.

FOR THE LATEST ON RIVER AND STREAM FLOW CONDITIONS...PLEASE VISIT...

ALL LOWER CASE...[HTTP://WWW.CRH.NOAA.GOV/CGI-BIN/AHPS.CGI?MKX](http://www.crh.noaa.gov/cgi-bin/ahps.cgi?mkx)
OR

ALL LOWER CASE...[HTTP://WI.WATER.USGS.GOV](http://wi.water.usgs.gov)

.GROUNDWATER... THE CURRENT WELL WATER LEVEL IS 11.98 FEET BELOW GROUND LEVEL AS OF 7AM ON JULY 29. LITTLE CHANGE HAS BEEN NOTED SINCE JULY 15TH. THE LOWEST LEVEL ON RECORD WAS 15.86 FEET BELOW THE GROUND LEVEL ON 15 OCTOBER 1965. THE HIGHEST LEVEL ON RECORD WAS 5.09 FEET BELOW THE GROUND LEVEL ON 24 APRIL 1993. THIS DATA IS BASED ON DANE COUNTY RECORDS AT MAZOMANIE. PERIOD OF RECORD EXTENDS FROM OCTOBER 1953 THROUGH THE PRESENT.

FOR MORE INFORMATION...INCLUDING DEFINITIONS RELATING TO GROUND
WATER...PLEASE VISIT...

ALL LOWER CASE...[HTTP://WATERDAT.USGS.GOV/WI/NWIS/CURRENT/?TYPE=GW](http://waterdat.usgs.gov/wi/nwis/current/?type=gw)

.AGRICULTURAL IMPACTS...AS OF JULY 25...DROUGHT IMPACTS HAVE BEEN
ALLEVIATED IN THE SHORT TERM...BUT MORE RAIN IS NECESSARY TO EASE
LONG TERM DROUGHT CONDITIONS...AS WELL AS TO HELP REVIVE CURRENT
CROPS. AREAS OF SCATTERED RAIN DURING THE PERIOD OF JULY 15 THROUGH
25 ALLOWED FOR AN AVERAGE OF 5.7 DAYS SUITABLE FOR FIELDWORK.

WISCONSIN CROP PROGRESS COMPILED BY THE USDA NATIONAL AGRICULTURAL
STATISTICS SERVICE AS OF JULY 24...DOES NOT REFLECT RAINFALL DURING
THE WEEK OF JULY 25.

CROP AND PCT OF ACREAGE	SW	C	EC	SC	SE
OATS HARVESTED FOR GRAIN	19	17	13	26	7
AVERAGE HEIGHT OF CORN	82	67	65	75	69
CORN SILKED	79	59	45	46	49
SOYBEANS BLOOMED	91	65	50	87	88
SOYBEANS SETTLING PODS	56	33	23	33	53
SECOND CUTTING HAY	91	76	74	93	87
WINTER WHEAT HARVESTED	82	71	48	52	65

THE GENERAL CONSENSUS IS THAT EVERYONE IN THE AGRICULTURAL COMMUNITY
IS THANKFUL FOR THE RECENT RAIN...BUT MORE IS NEEDED SINCE SOME AREAS
DID NOT RECEIVE THE SOAKING RAINS THAT MUCH OF THE CENTRAL PART OF
THE STATE DID. EXCESSIVE HEAT... PARTICULARLY IN THE WEST AND
SOUTH...DID NOT ASSIST TO ALLEVIATE THE DROUGHT AT ALL. SOME LOCAL
QUOTES PARTICULAR TO SOUTH CENTRAL AND SOUTH EAST WISCONSIN
INCLUDED...

DANE COUNTY...CORN AND SOYBEANS STILL IN NEED OF MORE RAIN. CORN IS
UNDER STRESS AND AT A CRITICAL STAGE IF NOT IRRIGATED.

ROCK COUNTY...WINTER WHEAT YIELDS WERE DOWN AS WERE STRAW YIELDS...
HOWEVER THE QUALITY WAS GREAT WITH SIXTY-POUND TEST WEIGHTS. DRY
HUMID WEATHER HAS MADE THE OAT CROP QUESTIONABLE...BUT THE CORN HAS
DONE REMARKABLY WELL GIVEN ADVERSE GROWING CONDITIONS. SOYBEANS HAVE
BEEN UNDER ATTACK BY APHIDS.

WALWORTH COUNTY...SHOWERS WERE ENOUGH TO PROMOTE A THIRD CROP OF HAY.

WAUKESHA COUNTY...SECOND CROP HAY IS VERY SHORT. CORN HAS COME BACK
WITH
THE RAIN. SOYBEANS ARE STILL BEHIND...BUT MORE RAIN WILL HELP.

FOR MORE INFORMATION ON AGRICULTURAL IMPACTS...PLEASE VISIT

ALL LOWER CASE...[HTTP://CROPWATCH.UNL.EDU/WEATHER.HTM](http://cropwatch.unl.edu/weather.htm)
OR

ALL LOWER CASE...[HTTP://WWW.NASS.USDA.GOV/WI/CROPWEATHER/CW0725.PDF](http://www.nass.usda.gov/wi/cropweather/cw0725.pdf)

.FIRE DANGER IMPACTS...FIRE DANGER CONDITIONS HAVE IMPROVED AND ARE NOW
AT THE LOW TO MODERATE LEVEL...WITH 10 HOUR FUEL MOISTURES OF 9 TO 10
PERCENT...AND 100 HOUR FUEL MOISTURES OF 11 TO 15 PERCENT IN THE

SOUTHWEST WITH 16 TO 20 PERCENT ELSEWHERE ACROSS SOUTHERN WISCONSIN.

FOR MORE INFORMATION ON FIRE DANGER PLEASE VISIT...

ALL LOWER CASE...[HTTP://WWW.DNR.STATE.WI.US/ORG/LAND/FORESTRY/FIRE/](http://WWW.DNR.STATE.WI.US/ORG/LAND/FORESTRY/FIRE/)

.CLIMATE OUTLOOK...FOR THE HALF OF AUGUST...THE FORECAST LEANS TOWARDS ABOVE NORMAL TEMPERATURES AND BELOW NORMAL PRECIPITATION. THE CLIMATE OUTLOOK FOR THE LAST HALF OF AUGUST THROUGH OCTOBER SHOW LITTLE OR NO SKILL...AND THUS THE FORECAST IS FOR EQUAL CHANCES OF ABOVE...NEAR NORMAL...AND BELOW NORMAL PRECIPITATION AND TEMPERATURES. BUT THE SEASONAL DROUGHT OUTLOOK THROUGH OCTOBER INDICATES THAT THE DROUGHT SHOULD EASE SOMEWHAT OVERALL. THIS IS IN LINE WITH THE LONG TERM TREND THAT SHOWS COOLER THAN NORMAL AND WETTER THAN NORMAL WEATHER FOR THE PERIOD.

BASED ON THE CLIMATE DIVISIONS ACROSS SOUTHERN WISCONSIN...THE FOLLOWING TABLE DISPLAYS HOW MUCH RAIN IS NEEDED...AVERAGED OVER THE CLIMATE DIVISION...TO END THE CURRENT DROUGHT AS OF JULY 23. RAINFALL FOR JULY 24 THROUGH 28 AND THE AMOUNT SHORT ARE INCLUDED. NOTE THAT EAST CENTRAL AND SOUTHEAST AREAS ARE NEED PRECIPITATION TO ALLEVIATE THE DROUGHT.

CLIMATE DIVISION	NEEDED	PRECIPITATION	
		PAST WEEK	AMOUNT SHORT
CENTRAL	5.26	3.71	1.55
EAST CENTRAL	6.17	2.33	3.84
SOUTHWEST	4.68	4.23	0.45
SOUTH CENTRAL	4.87	2.99	1.88
SOUTHEAST	6.24	2.07	4.17

ADDITIONAL INFORMATION REGARDING PRECIPITATION AND TEMPERATURE OUTLOOKS MAY BE OBTAINED AT...

ALL LOWER CASE...

[HTTP://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/OUTLOOKS_INDEX.SHTML](http://WWW.CPC.NCEP.NOAA.GOV/PRODUCTS/OUTLOOKS_INDEX.SHTML)

.IF YOU HAVE ANY QUESTIONS OR COMMENTS ABOUT THIS INFORMATION PLEASE CONTACT...

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.ACKNOWLEDGEMENTS...NOAA CLIMATE PREDICTION CENTER...MIDWEST REGIONAL CLIMATE CENTER...HIGH PLAINS REGIONAL CLIMATE CENTER...UNITED STATES GEOLOGICAL SURVEY...STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES...UNITED STATES DEPARTMENT OF AGRICULTURE... NATIONAL WEATHER SERVICE LA CROSSE WISCONSIN AND NATIONAL WEATHER SERVICE SPRINGFIELD MISSOURI.

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EISE/WOOD/HANSING/KONOP/STAFF NWS MILWAUKEE